LLNL Operations/Building Screening Report for Initial Hazard Classification Building 518/518A

C. E. Mathews

July 21, 2000





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Building #: 518/518A				
Completed by:				
C. E. Matthews				
Date: July 21, 2000				
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facility arrives in DOT containers. Caps remain on gas cylinders at all times. Gas cylinders are segregated according to compatibility. Inner containers of chemicals are				
nemTrack labels. Inner				

packaging is retaped for delivery to the destination facility. Chemicals and toxic or

corrosive gases are usually forwarded to the facility of final destination on the LLNL site within 8 hours, and maximum residence time at 518 is 24 hours. General industrial activities include forklift operation, handling compressed gas cylinders, and placing labels on unopened chemical containers. Only employees certified through formal

documented training are allowed to perform these activities.

* cc: (1) Building file ** Also cc: Facility Contacts and SARA File

HAZARD SCREENING CHECKLIST FORM

Facility	No.	518
Facility	No.	518

Dates Performed 6/28/00

Scr	eened by: C. Matthews (ANL)	Approved by:	
	Name/Affiliation	Facility Manager	
			Yes/No
1.	Facility Manager and appropriate program and supp	port personnel consulted?	Yes
2.	Facility inspection complete?		Yes
3.	Facility personnel interviewed and FSPs, OSPs, or	IWSs reviewed?	<u>Yes</u>
4.	List other documents reviewed: 40 CFR 302.4 and	355, and 29 CFR 1910.119	

	S Teviewed. 40 Cl R 302.4 and 3.	53, and 27 CT K 1710.117
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Chemical Energy	Corrosive Material	Corrosive gases and chemicals may be received in DOT approved containers, but not opened, used, or stored at 518.
	Flammable Material	Flammable gases and chemicals may be received in DOT approved containers, but not opened, used, or stored at 518.
	Toxic	Toxic gases and chemicals may be received in DOT approved containers, but not opened, used, or stored at 518.
	Reactive Material	
	Oxygen Deficiency	
	Hazardous Material	Hazardous chemicals may be received in DOT approved containers, but not opened, used, or stored at 518.
Radiant Energy	Intense Light	
	Lasers	
	Ultraviolet Radiation	
	X-rays, γ-rays	
	Infrared Radiation	
	Ionizing Radiation	
	Electron Beams	
	Magnetic Fields	
	RF Fields	
	High Energy Particles	
	Nuclear Criticality	

Hazard	Check or List Applicable Sources	Description/Location/Comments
Electrical Energy	High Voltage (>50 V)	Electrical outlets and typical equipment
	Very High Voltage (>600 V)	
	Capacitors	
	Transformers	
	Batteries	
	Exposed Conductors	
	Static Electricity	
Kinetic Energy	Pulley, Belts, Gears	
	Shears, Sharp Edges	
	Pinch Points	
	Mass in Motion	
	Motor Vehicles	Forklifts, transport vehicles
Potential Energy	Falling	
	Lifting	Forklifts
	Tripping, Slipping	
	Earthquakes	appropriate restraints whi
Thermal Energy	High Temperature	gas
	Cryogenic Materials	DOT approved dewars of cryogenic liquids are received, but not stored or used at 518.
	Fire or Open Flames	
Pressure Energy	Pressurized or Confined Gases	DOT approved cylinders of compressed gases are received at 518. Flammable, non- flammable and oxidizing gases are stored but not used at 518.
	Explosives	
	Noise	
Biological Energy	Pathogens (virus, bacteria, etc.)	
	Allergens	
Other (list or attach)		

Note:	Check box here if supplemental checklists were used for hazard screening and attack
	supplemental checklists to this form.

CHECKLIST FOR STRUCTURES, SYSTEMS, AND COMPONENTS (SSC) THAT ARE RELATED TO SAFETY IN GI FACILITIES

Facility No. <u>518/518A</u>

Date: 7/26/2000

Use this checklist to identify GI facility structures, system, and components that function to protect employees, the facility, and the environment. It is important to note that this checklist is not all-inclusive. Feel free to add additional SSCs and comments under the "other" category below.

	1.	Life S	afety/Fire Protection:
		<u>X</u>	Fire Detection/Alarm Systems
			Fire Suppression Systems
			Flammable Liquid Storage Cabinets
			Fire Doors/Walls
		<u>X</u>	Evacuation Page
	2.	Other	systems to protect employees, the facility, and the environment:
			Retention Systems (Tanks, Berms, Containments)
			Standby Power Generators
			Installed Special Detection/Alarm Systems (Oxygen Deficiency, Hydrogen, Radiation, etc.)
		X	Emergency Showers/Eyewashes
	GD	X	Seismic Restraints
			Fume Hoods
			Negative Air Ventilation Systems
			HEPA Filtration
			Interlocks
	3.	Other	SSCs related to safety/Comments:
			A facility is bounded by a chain link fence and an electric gate to restrict foot
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